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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/633,881	08/04/2003	Daniel Xu	ITO.0024US (P14742)	5238	
7590 06/06/2005			EXAM	EXAMINER	
Timothy N. Trop TROP, PRUNER & HU, P.C.			GHYKA, ALEXANDER G		
STE 100	κα πυ, r.c. ·		ART UNIT	PAPER NUMBER	
8554 KATY FWY HOUSTON, TX 77024-1841			2812		
1100310N, 12	A //U24-1041		DATE MAILED: 06/06/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/633,881	XU ET AL.
Office Action Summary	Examiner	Art Unit
	Alexander G. Ghyka	2812
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply of NO period for reply is specified above, the maximum statutory period we failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on	<b>_</b> .	
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.	
3) Since this application is in condition for allowant closed in accordance with the practice under E		
Disposition of Claims		
4)  Claim(s) 1-9 and 14-23 is/are pending in the ap 4a) Of the above claim(s) is/are withdraw 5)  Claim(s) is/are allowed. 6)  Claim(s) 1-9 and 14-23 is/are rejected. 7)  Claim(s) is/are objected to. 8)  Claim(s) are subject to restriction and/or Application Papers	vn from consideration.	ALEXANDER GHYKA PRIMARY EXAMINER  AU 28 12  Olympia White August 12  Ol
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction of the original than the original than the correction of the original than the original	epted or b) objected to by the Edrawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been receive I (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

## **DETAILED ACTION**

Claims 1-9 and 14-23 are elected without traverse.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9 and 14-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Klersy et al (US 6,815,705).

The present claims generally call for an electrically programmable memory element which is made by a method comprising chemical mechanical polishing through a portion of an insulating third layer down to a conductive second layer coated on a first layer having an opening filled in part by a third layer.

Klersy et al disclose an electrically programmable element comprising a dielectric material **110**, a conductive layer **130**, and a dielectric layer **140**, which is made by a method comprising chemical mechanical polishing through a portion of an insulating layer down to a conductive second layer coated on a first layer having an opening filled at least in part by the third layer. See Figures 5-9, column 5, lines 40-50, column 6, lines

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1-20 and column 8, lines 1-20. Klersy et al further discloses CMP through the second layer down to the first layer as required by Claim 2 and further forming an insulating layer. See Figures 5-7. Moreover, Klersy et al discloses a dielectric oxide formed by PECVD or TEOS, as required by Claims 5-8. See column 6, lines 50-60. Klersy also discloses the use of tungsten as a conductive layer. See column 8, lines 1-15. Furthermore, Klersy et al disclose a memory cell material and electrodes as required by Claims 14-23. See column 14, lines 10-65 and Figures 39-43. Therefore the Klersy et al reference anticipates Claims 1-9 and 14-23.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander G. Ghyka whose telephone number is (571) 272-1669. The examiner can normally be reached on Monday through Thursday during general business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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AGG May 24, 2005

> ALEXANDER GHYKA PRIMARY EXAMINER